

REVISION	DESCRIPTION	DATE	APPROVED

Project Name:

Projeto de Circuitos Eletrônicos para IoT V1.0.0

Released 19/12/2025

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2	System block diagram
3	Top level hierarchical connections
4	Sensors
5	Board buttons and LEDs
6	RGB LED
7	Battery power management
8	Connectors
9	Mechanical components

Design Notes

Example of informational notes.

Example of cautionary design notes.

Example of critical design notes.



ADDRESS
R. Aprígio Veloso, 882, Universitário
Campina Grande - PB
58429-900

PROJECT
Heloysa Veloso - PCEIoT.PrjPcb

VERSION
V1.0.0

TITLE
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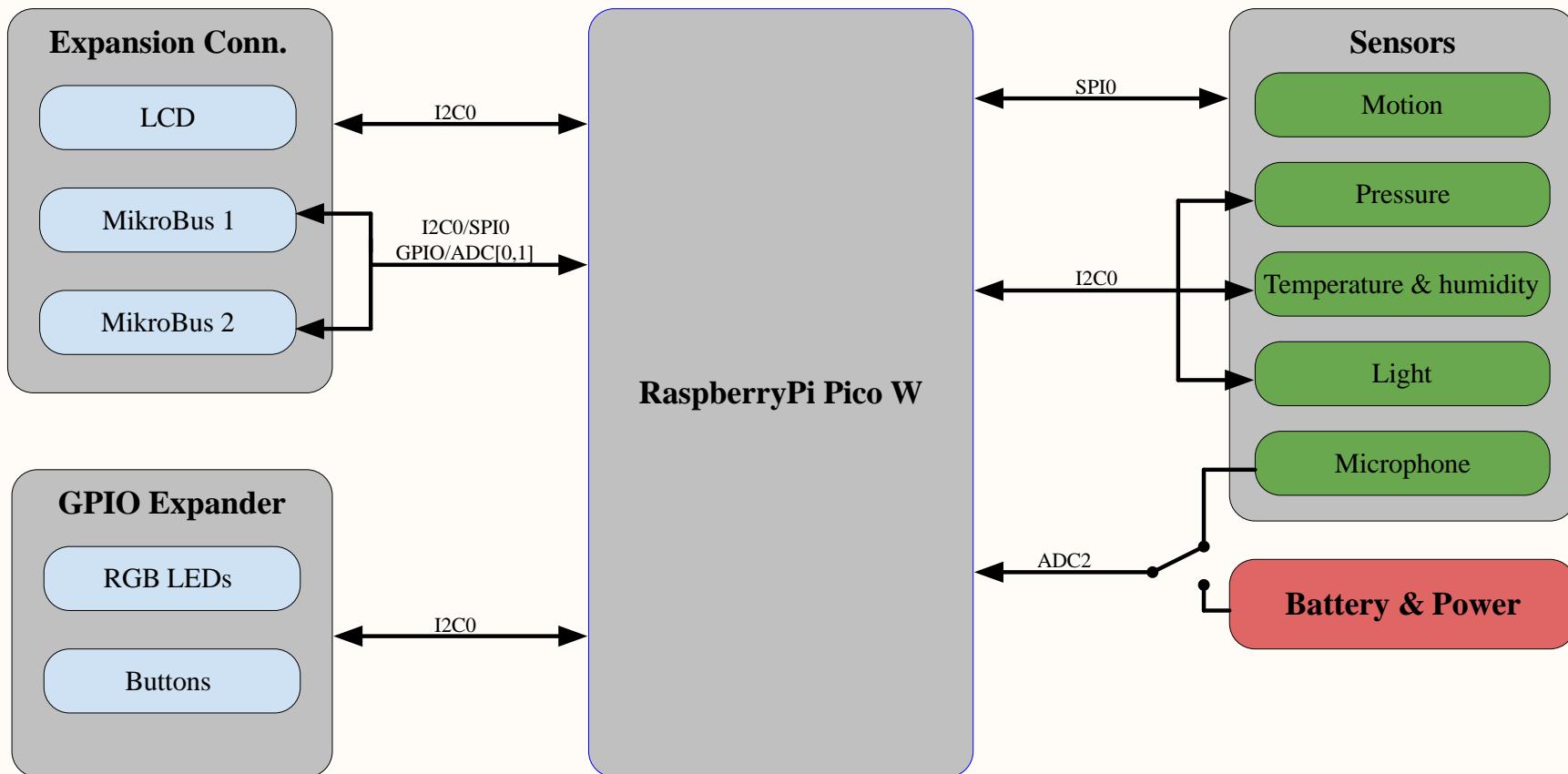
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PROJECT REVISION: abc0074e [No modification]

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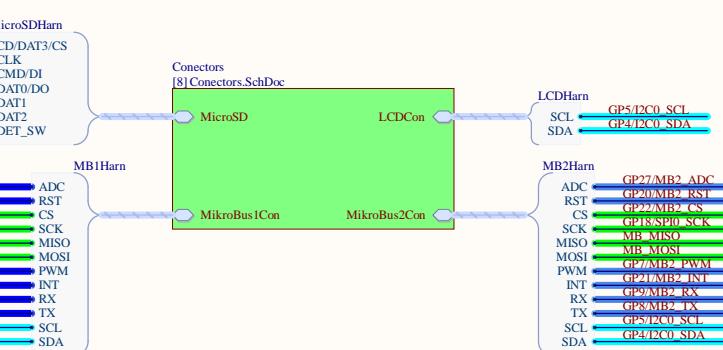
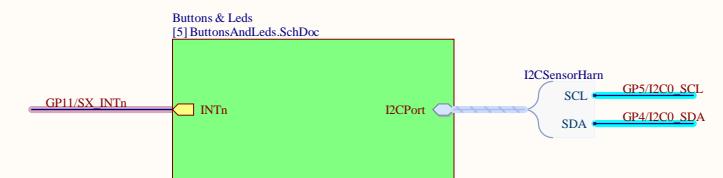
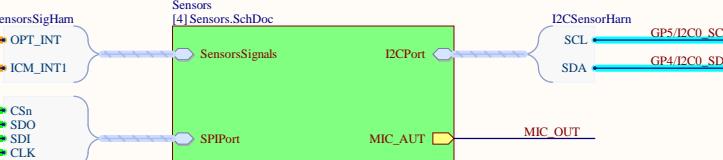
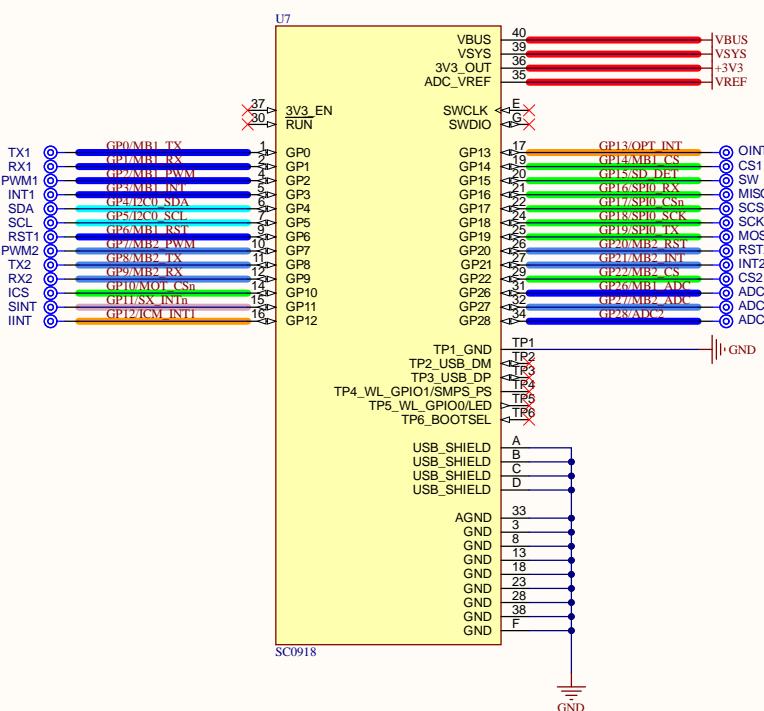


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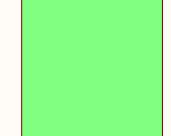
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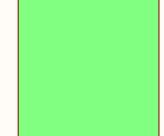
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BlockDiagram

[2] BlockDiagram.SchDoc



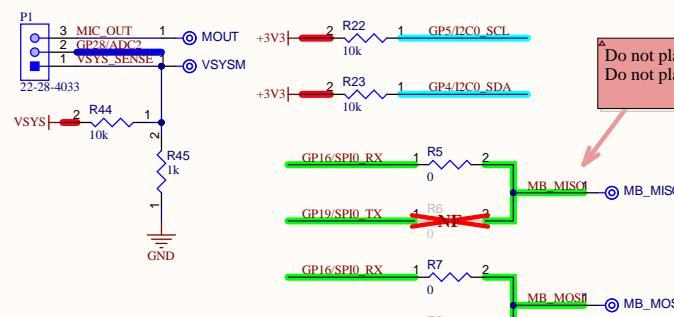
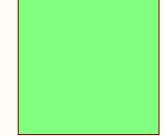
PowerManagement

[7] PowerManagement.SchDoc



Mechanical

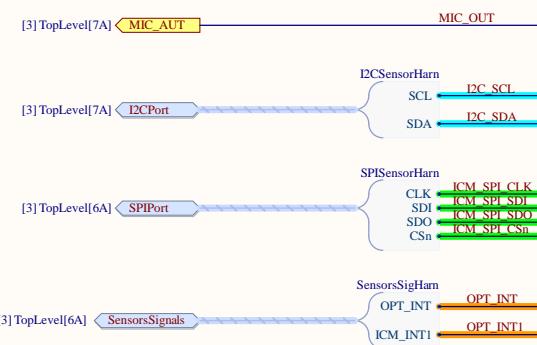
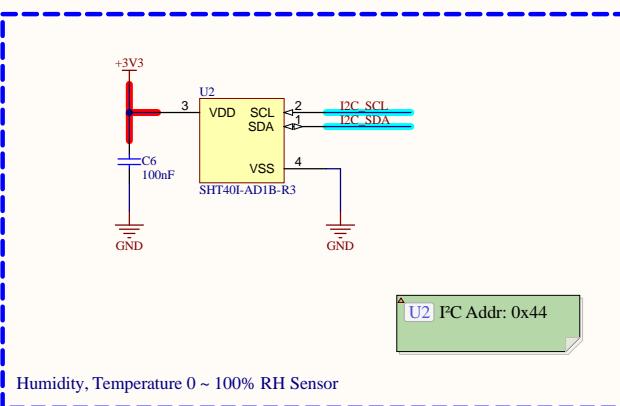
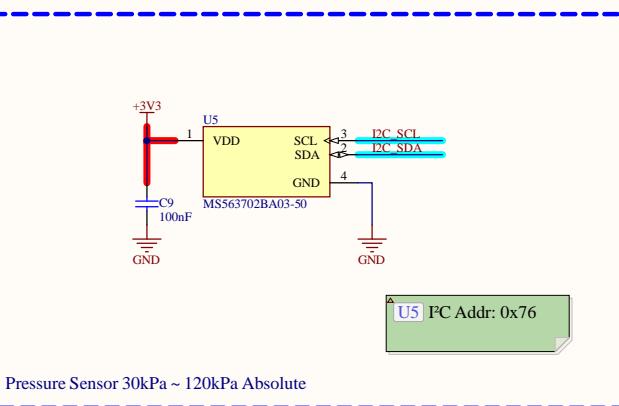
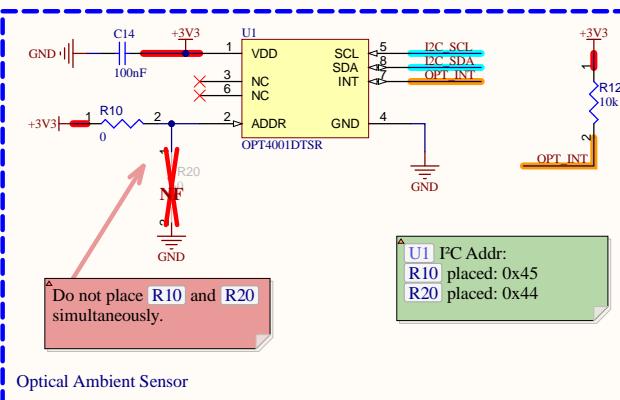
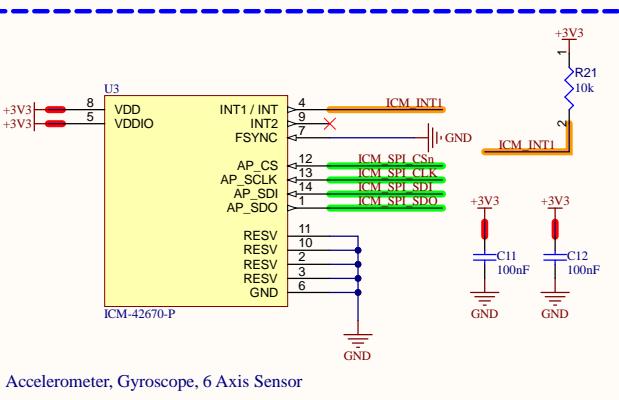
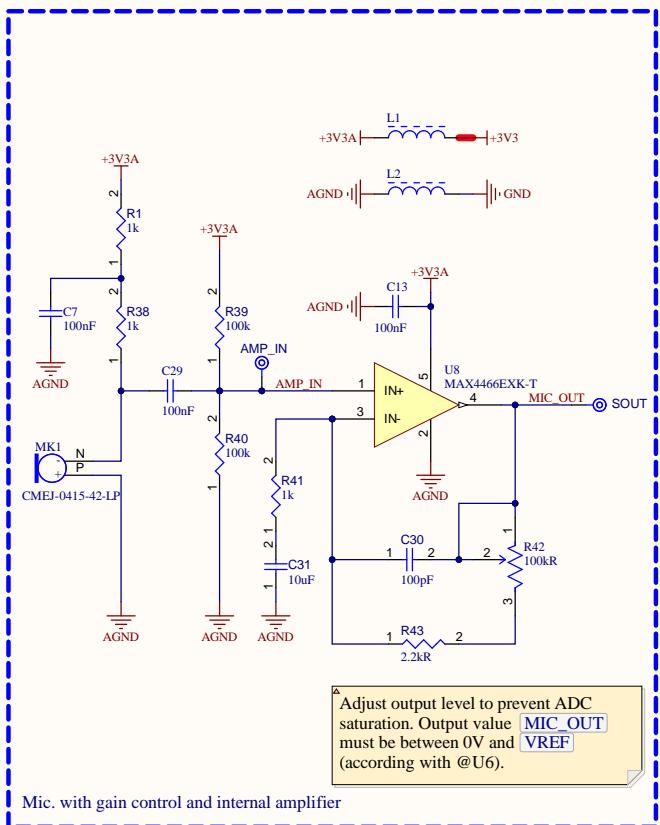
[9] Mechanical.SchDoc



Do not place R5 and R6 simultaneously.
Do not place R7 and R8 simultaneously.

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Heloysa Veloso - PCEIoT.PjPcb		V1.0.0	
TITLE		SIZE	
[3] TopLevel.SchDoc		A3	1:1
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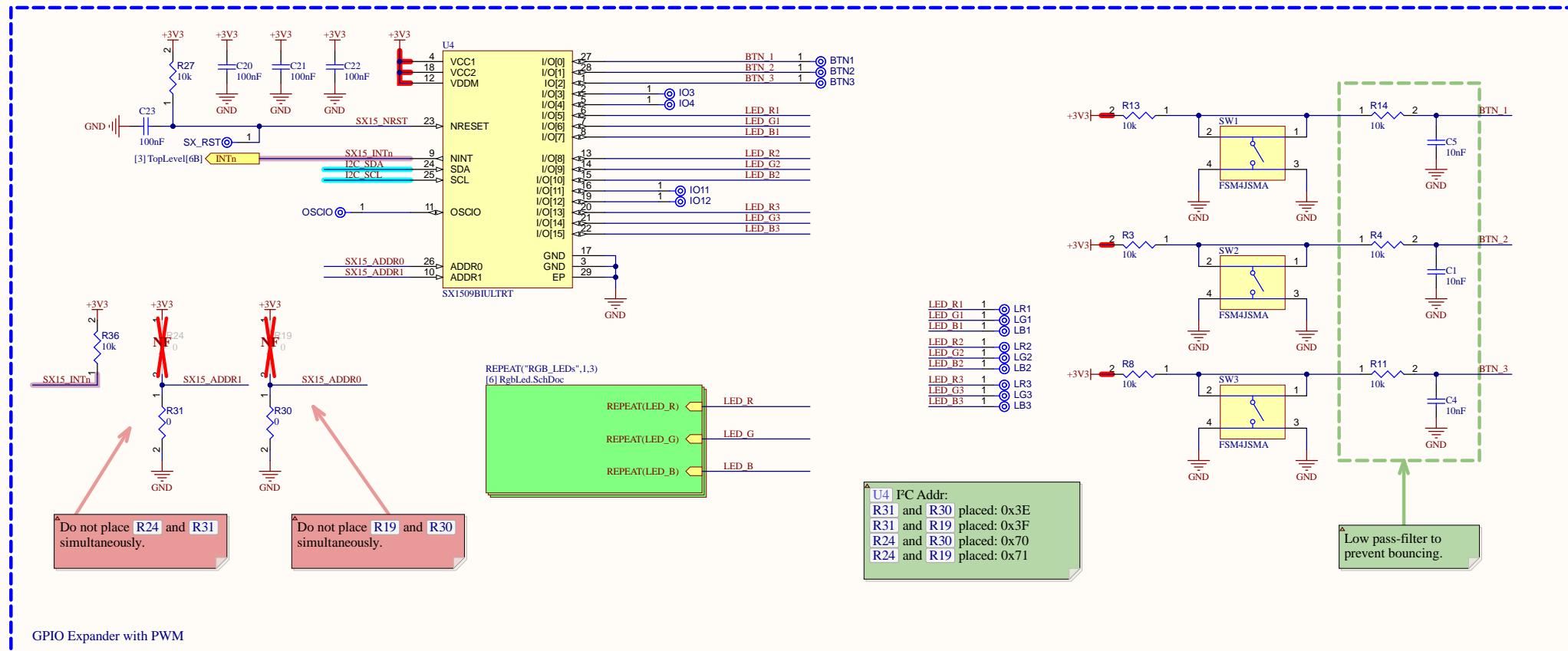
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G

VIRTUS CC		ADDRESS R. Aprígio Veloso, 882, Universitário Campina Grande - PB 58429-900
PROJECT Heloysa Veloso - PCEIoT.PjPcb		VERSION V1.0.0
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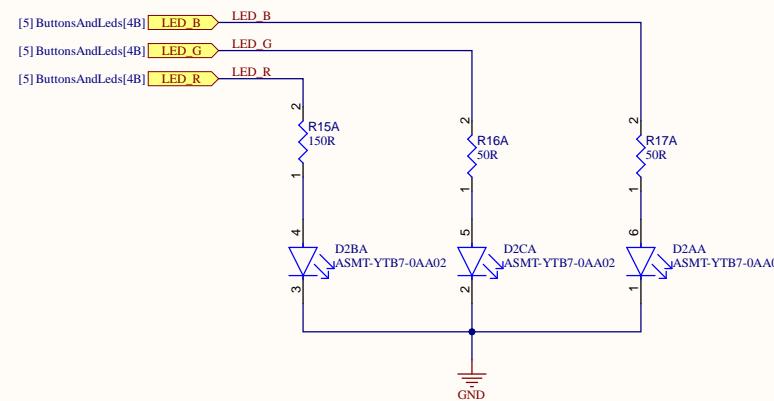
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C

C

D

D



R15, R16 and R17 calculated based
on voltage drops for each LED for a
same current amount for 10mA.



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VERSION
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TITLE
[6] RgbLed.SchDoc

SIZE
A3

SCALE
1:1

DOCUMENT NAME: [6] RgbLed.SchDoc

SHEET:

DOCUMENT REVISION: 4a804a97 [No modification]

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PROJECT REVISION: abc0074e [No modification]

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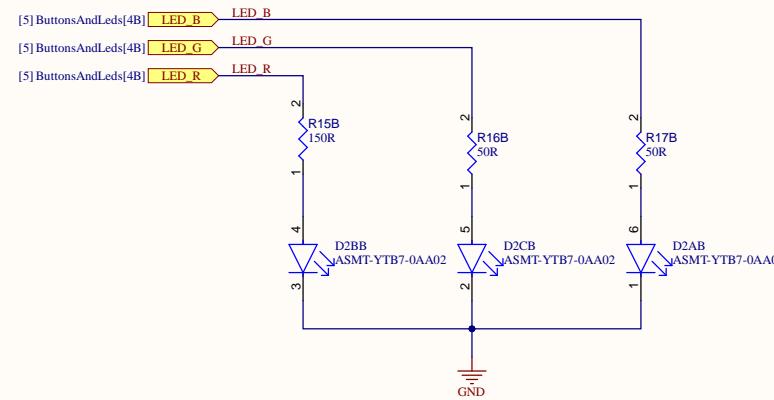
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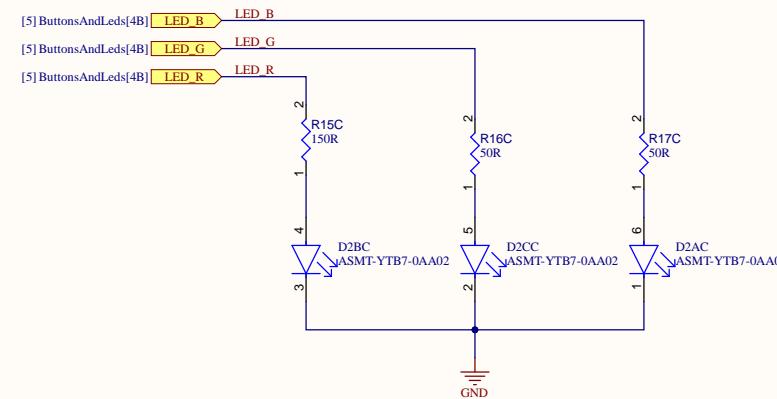
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D

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R15, R16 and R17 calculated based on voltage drops for each LED for a same current amount for 10mA.



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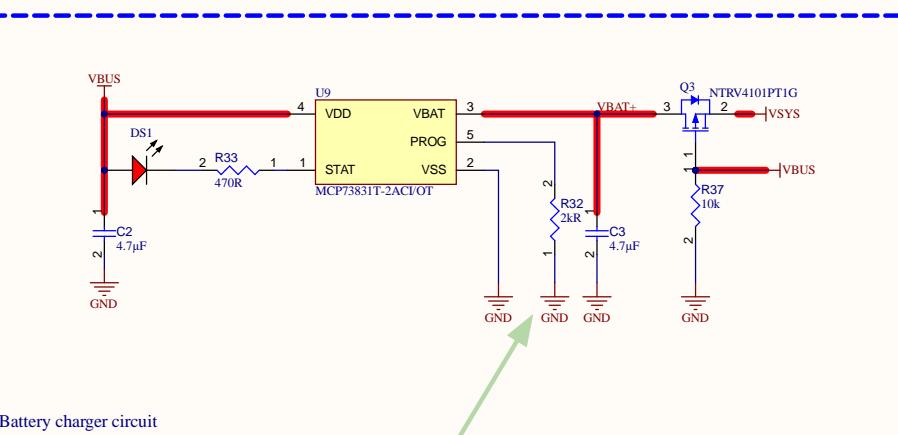
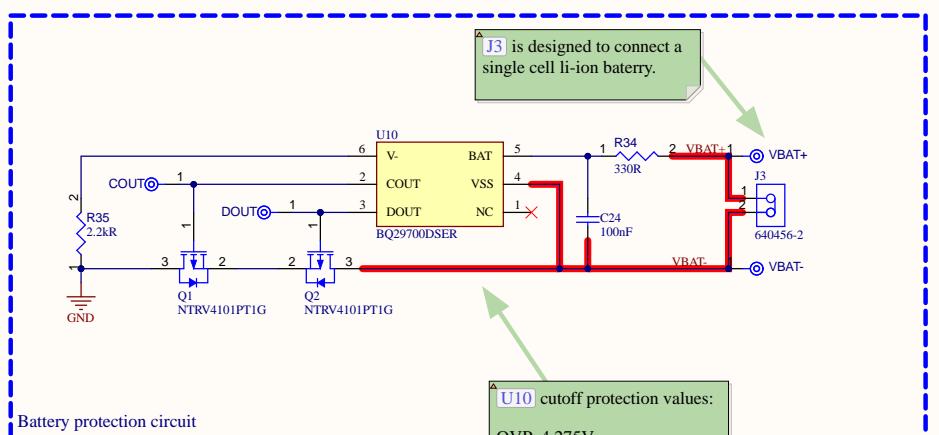
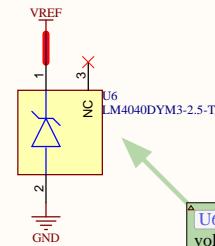
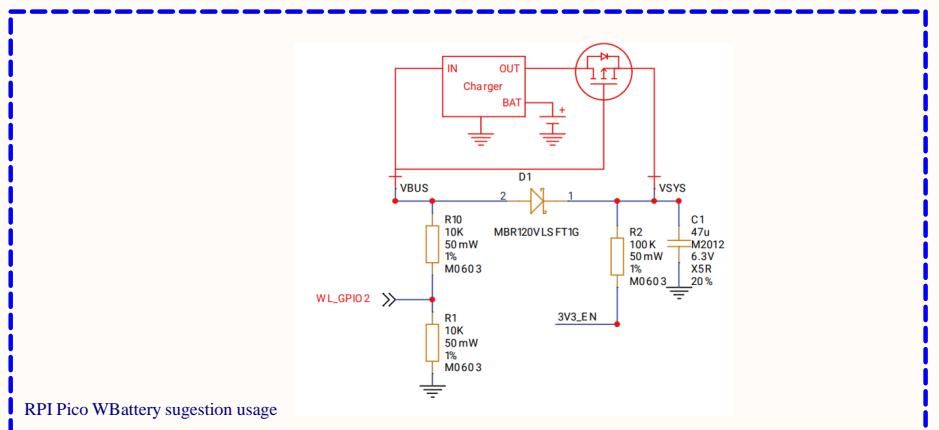
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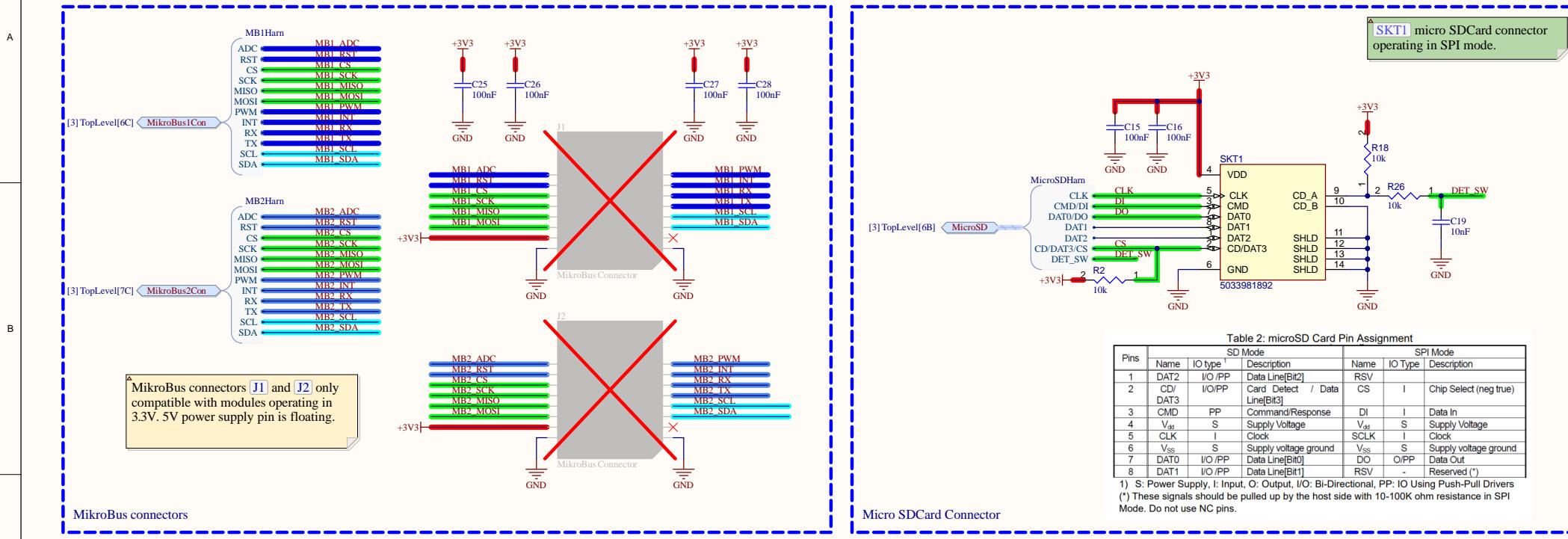
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+3V3 | 1 | +3V3
VSYS | 1 | VSYS
VREF | 1 | VREF



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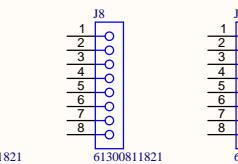
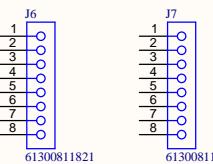
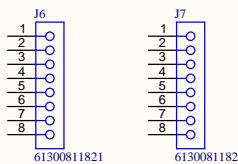
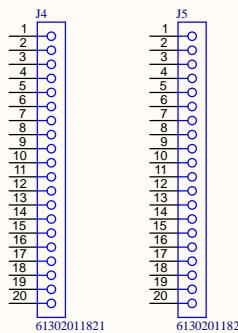
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PROJECT	Heloysa Veloso - PCEIoT.PrjPcb	VERSION
TITLE	V1.0.0	
DOCUMENT NAME:	[9] Mechanical.SchDoc	SHEET:
DOCUMENT REVISION:	4f0623e8 [No modification]	A3 1:1
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